

Inventor: Vogels et al.

Serial No.: 09/517,898 Docket No.: 2578-3982.2US

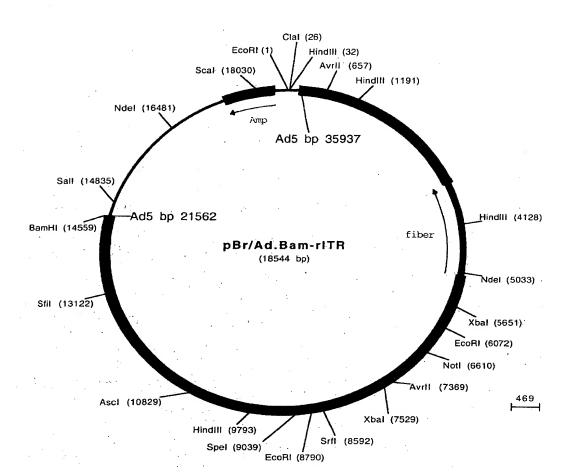


FIG. 1

TITLE: MEANS AND METHODS FOR FIBROBLAST-LIKE OR MACROPHAGE-LIKE CELL TRANSDUCTION Inventor: Vogels et al.

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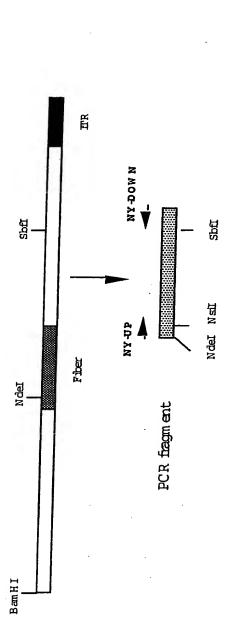
TAG ITT GTG TTA TGT TTC AAC GTG-3' (SEQ ID NO:36)

TAG ATG CAT

CATATG

NY-UP





:5 46 GA GAC CAC TGC CAT GTT G-3' (SEQ ID NO:37) N MOG- XN



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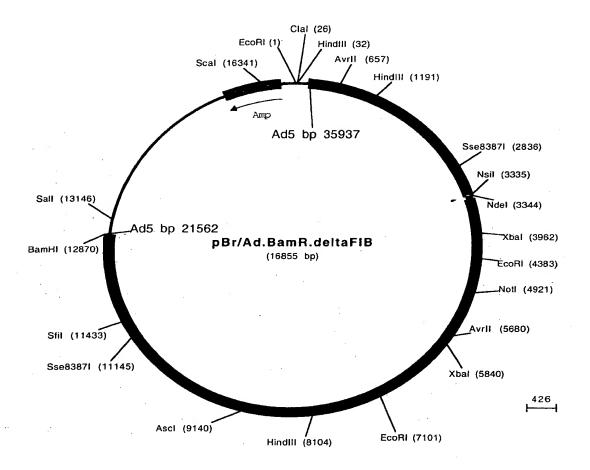


FIG. 3



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ATGAAGCGCGCAAGACCGTCTGAAGATACCTTCAACCCCGTGTATCCATATGAAGATGAAGCAGCT CACAACACCCCTTTATAAACCCTGGTTTCATTTCCTCAAATGGTTTTTGCACAAAGCCCCAGATGGAGT TCTAACTCTTAAATGTGTTAATCCACTCACTACCGCCAGCGGACCCCTCCAACTTAAAGTTGGAAGC ATCGCTGGGAGATGGGTTAGGTAACAAGGATGATAAACTATGTTTATCGCTGGGAGATGGGTTAATA ACAAAAAATGATGTACTATGTGCCAAACTAGGACATGGCCTTGTGTTTTGACTCTTCCAATGCTATCA AGATTCCCCAGACTGTAAGCTCACTTTAGTTCTAGTGAAGAATGGAGGACTGATAAATGGATACATA **ACATTAATGGGAGCCTCAGAATATACTAACACCCTTGTTTAAAAAACAATCAAGTTACAATCGATGTAA** CCATAGAAAACACACCTTGTGGACAGGCGCAAAACCAAGGCGCCAACTGTTAAATTAAAGAGGGAGA ACCTCGCATTTGATAATACTGGCCAAATTATTACTTACCTATCATCCCTTAAAAGTAACCTGAACTT SCCTATCCATTTATAACATACGCCACTGAGACCCTAAATGAAGATTACATTTATGGAGAGTGTTACT ITCTGGAATGGCCTATGCTATGAATTTTTCATGGTCTCTAAATGCAGAGGAAGCCCCGGAAACTACC TAAAGACAACCAAAACATGGCTACTGGAACCATAACCAGTGCCAAAGGCTTCATGCCCAGCACCACC ACAAATCTACCAATGGAACTCTTTCCACTAAAAGTTACTGTCACACTAAACAGACGTATGTTAGC BAAGTCACTCTCATTACCTCCCCTTCTTTTTTTTTTTATCAGAAGAAGATGACTGAATTAG **SEQ ID NO:32**

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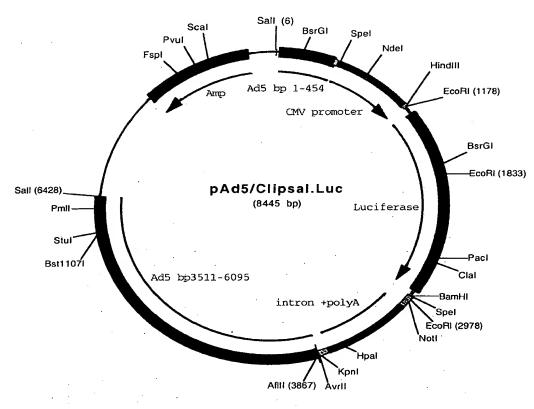
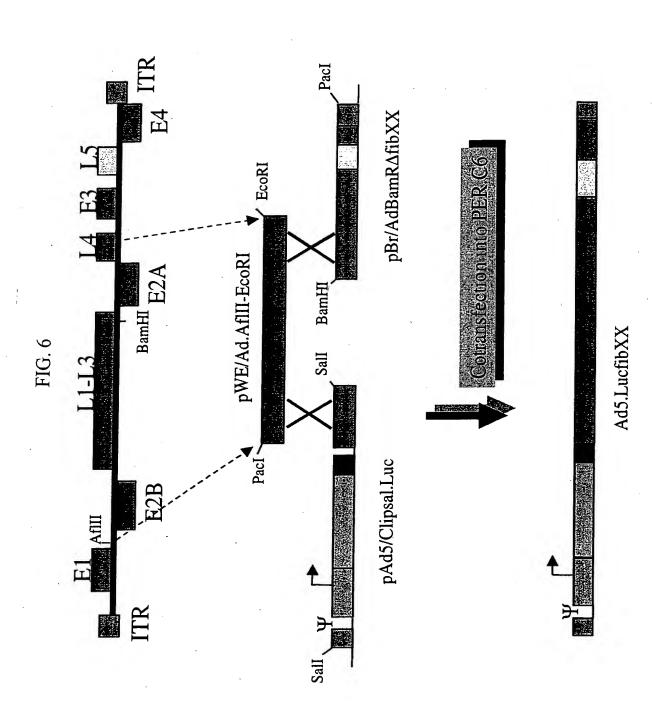


FIG. 5

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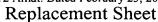
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AAACATGGCTACTGGAACCATAACCAGTGCCAAAGGCTTCATGCCCAGCA Fiber 16 Genbank AAACATGGCTACTGGAACCATAACCAGTGCCAAAGGCTTCATGCCCAGCA AG5/16 Fiber INA GTTACAATCGATGTAAACCTCGCATTTGATAATACTGGCCAAATT Fiber 16 Genbank GTTACAATCGATGTAAACCTCGCATTTGATAATACTGGCCAAATT AG5/16 Fiber DA ATTACTTACCTATCATCCCTTAAAAGTAACCTGAACTTTAAAGACAACCA Fiber 16 Genbank ATTACTTACCTATCATCCCTTAAAAGTAACCTGAACTTTAAAGACAACCA A25/16 Fiber DW CC A C C C C C T A T C C A T T T A A C A T A C G C C A C T G A G A C C C T A A A T G A A G A T Piber 16 Genbank CCACCGCCTATCCATTTATAACATACGCCACTGAGACCTTAAATGAAGAT Ad5/16 Fiber DA TACATTTATGGAGAGTGTTACTACAAATCTACAATGGAACTCTCTTTCC Fiber 16 G=nbank TACATTTATGGAGAGTGTTACTACAAATCTACCAATGGAACTCTCTTTCC AG5/16 Fiber DA Fiber 16 Genbank Ad5/16 Fiber INA CTCTAAATGCAGAAGGAAGCCCGGAA Piber 16 Genbank CTCTAAATGCAGAGGAAGCCCCGGAA Ad5/16 Fiber DA Piber 16 Genbank Fiber 16 Genbank Piber 16 Genbank Ad5/16 Fiber DNA ACTAAAAGTTACTGTCACACTAAACAGACGTATGTTAGCTTCTGGAATGG ACTAAAAGTTACTGTCACACTAAACAGACGTATGTTAGCTTCTGGAATGG AGAAGATGACTGA AGAAGATGACTGAATGCATTAGTTTGTGTTTTCAACGTGTTTATTT GCTATGAATTTTTCATGGT GCTATGAATTTTTCATGGT CAAO CAA CCTAT T A T E K S A 1062 1000 1000

Decoration 'Decoration #1': Box residues that differ from Piber 16 Genbank

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Alignment Report of alignment prot, using Clustal method with PAM250 residue weight table. Wednesday, March 31, 1999 16:19

(SEQ ID NO:35) (SEQ 1D NO:34) genbank Fiber 16 chimeric Ad5/Fib16 chimeric Ad5/Fib16 chimeric Ad5/Fib16 chimeric Ad5/Fib16 genbank Fiber 16 chimeric Ad5/Fib1 chimeric Ad5/Fib1 genbank Fiber 16 chimeric Ad5/Fibl chimeric Ad5/Fibl chimeric Ad5/Fib1 chimeric Ad5/Fibl chimeric Ad5/Fibl genbank Fiber 16 genbank Fiber 16 genbank Fiber 16 genbank Fiber 16 genbank Fiber genbank Fiber Fiber genbank Fiber genbank 2 2 9 9 H H > > >> 田田 ×× ល ល AA ध ध III III HHS H H HH H H 00 田田 တ တ H H L L K K It It AA дд 00 **U U** घ घ വ വ L L HH 2 2 գ բ HH AA AA HH X X A A À × വ വ v v L L XX H H K K OE <u>ი</u> ი HH**ტ** ტ HH P4 P4 ZZ 0 0 0'0 LL AA 그그 디디 > > ΣZ ΣZ HHE E 33 **S** S **A A** f f Ω Ø X X O. O ココ нн بتر بتر SS S ഗ ഗ 22 HHL L A A ZZ E E 00 **U U** XX E4 E4 က က > > 22 S O o**4 4** нн 9 9 XX X K 22 田田 O田田 니니 그그 SO X K E E A A ×× ΣZ A A X X 回田 XX > > дд 00 വ വ ZZ U U A A 回回 니 니 ᆸᆸ ДΩ ДД X X ZZ AA H H ध ध X X > > HH တ္ တ ДД ZZ A A HHII, II, HH 00 A A дд H H 9 X X X X 00 H H A A HH K K ΣΣ よ ズ > > A A \vdash H H EE 00 니 니 **6** 0 НН **U U** > > **0** 0 НН 0/0 НН 33 0 0 22 HH ×× **S** S ቧ ቧ ΩΩ HH コロ HH L L 22 > > **4 4** ΩÁ 44 ZZ **A A** ДΩ 9 9 9 HH X X ДΩ ZΣ 回回 ココ मि मि ഗ ഗ > > SS AA ZZ > > н н **Z Z** ZZ ΣΣ Ω[H O/ O/ FF 9 9 U U 22 コロ HH, 00 그그 民民 А 1 AA ココ HHH H 回回 > > >> 22 HH 24 24 S E ít, ít, ഗ ഗ ココ က က HH H. H 04 04 ДД 田田 ZZ SS 5 6 ഗ ഗ HH HH HE E E ZZ XX £ £ 니 니 기데 ZZ 9 9 00 OНН ココ ZZ ít, ít, A A H H 民民 က က >> HH니 니 A A X X XX 22 \succ > > **A A** ഗ ഗ X X S XX 22 00ᅜᆙᅜ HH Н ĒH Ħ H 民民 HHH H HH AA SS ДД בו 22 > > X X मि मि **Q Q** 22 AA SO дд H H SS ri ri X X **4 U U** ココ F F XX AA SS ZZ X X дд h L Z Z дд գ գ X X H H मिमि A A H H r r Ы > Ω, О, 22,23 150 180 180 210 240 240 270 300 88 88 88

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genbank Fiber 16 chimeric Ad5/Fib16

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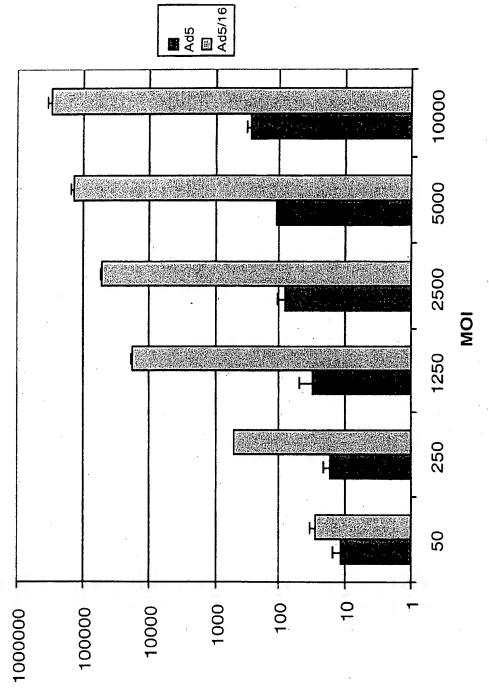
> >

[L 124 TITLE: MEANS AND METHODS FOR FIBROBLAST-LIKE OR

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RLU/microgram protein

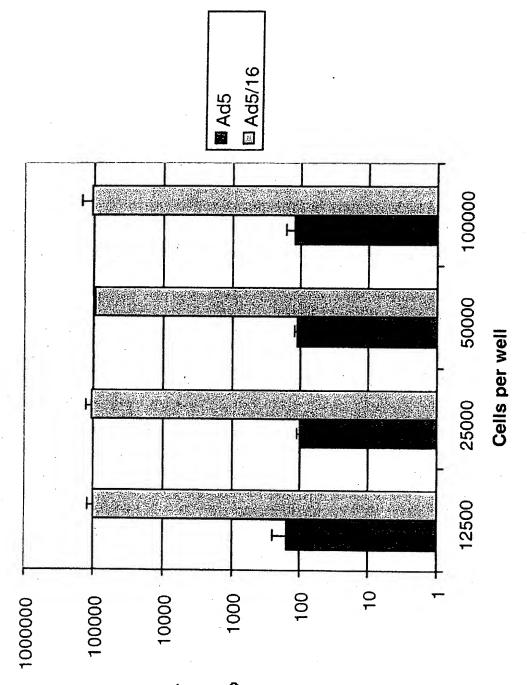
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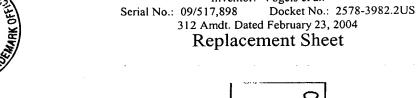


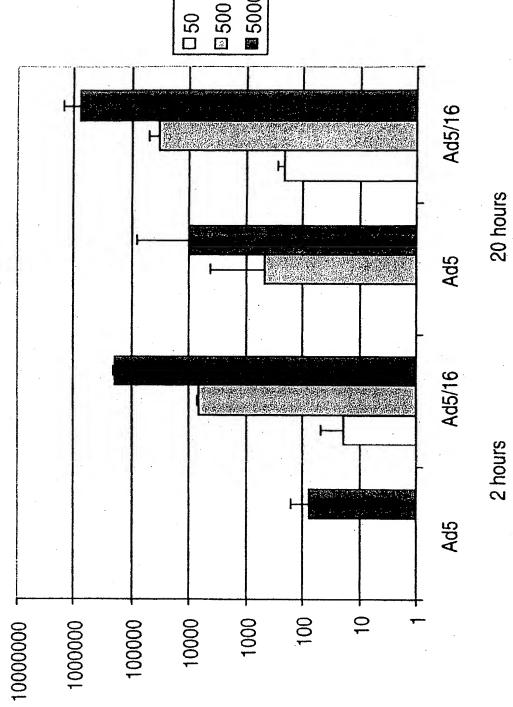


RLU/ microgram protein

Inventor: Vogels et al.

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RLU/microgram protein



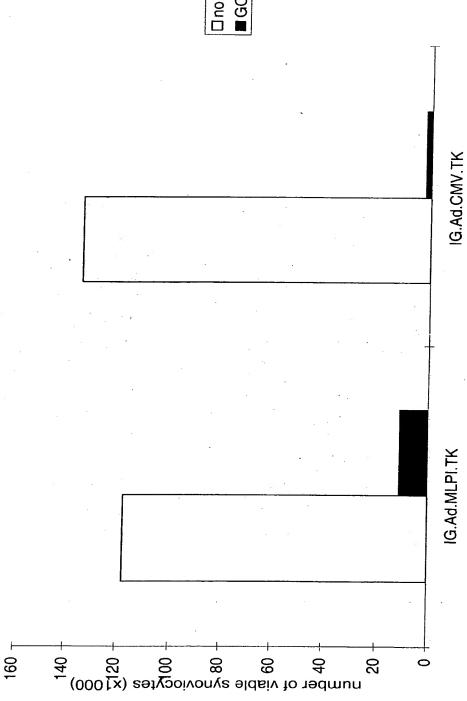
Synoviocytes infected with Ad.TK

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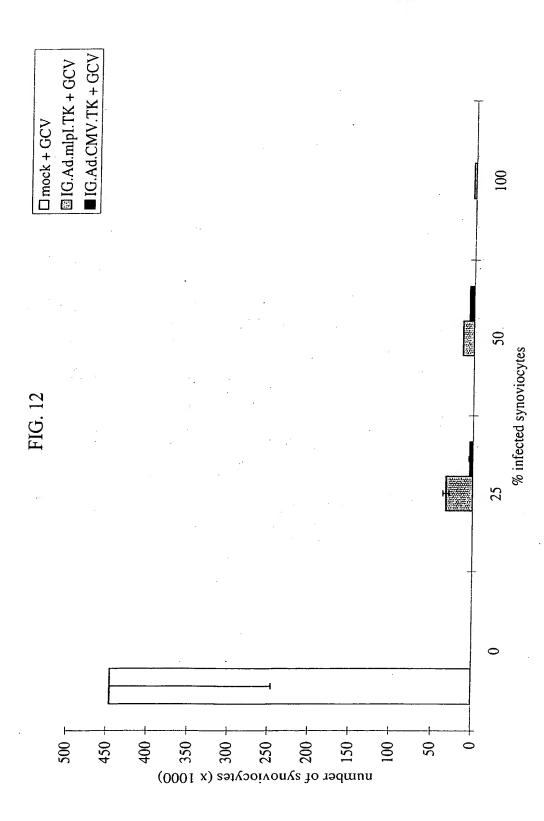


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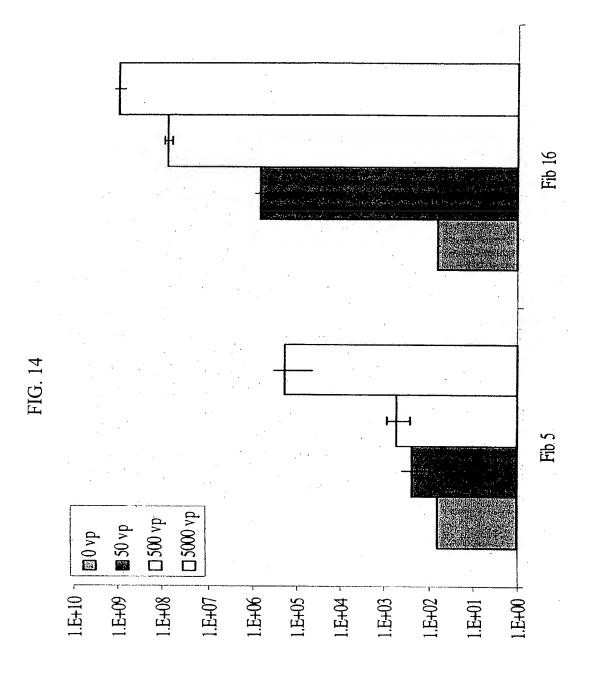
FIG. 13A







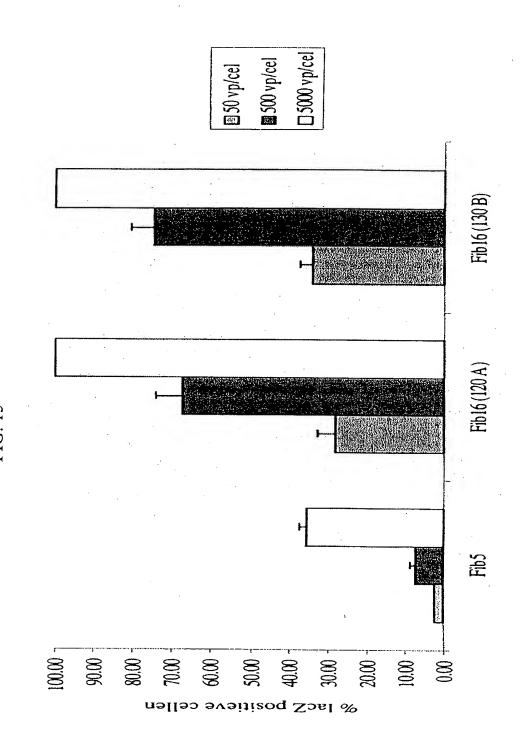
MACROPHAGE-LINE CELL IRANSDOCTION
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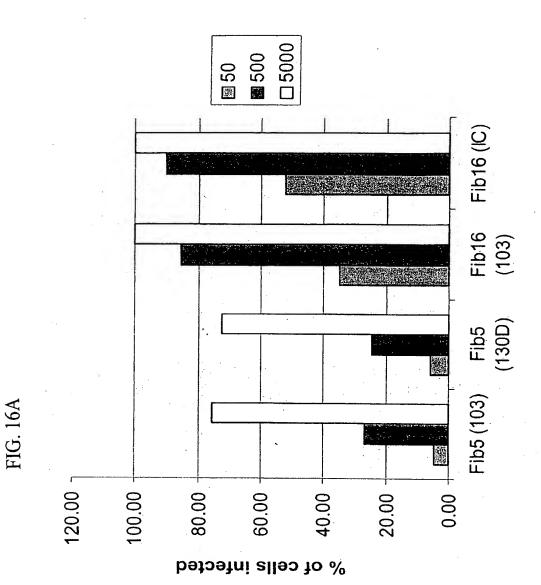




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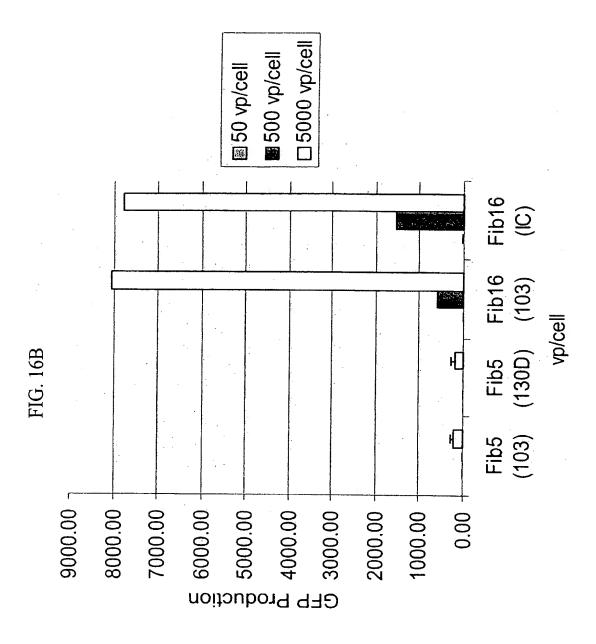
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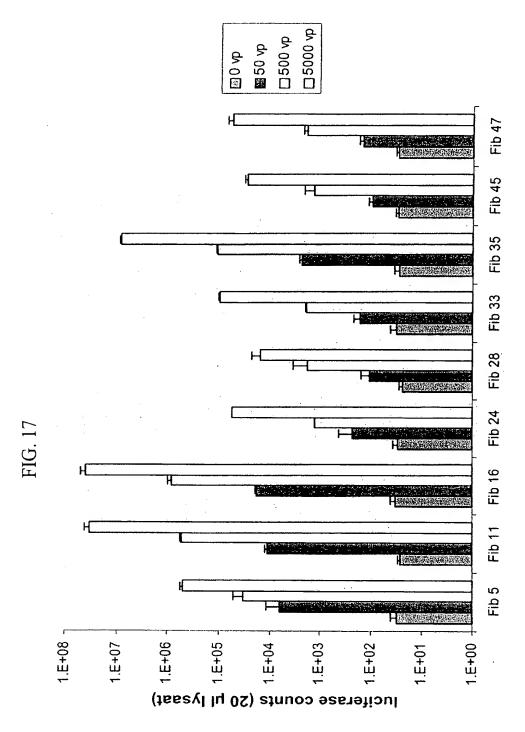
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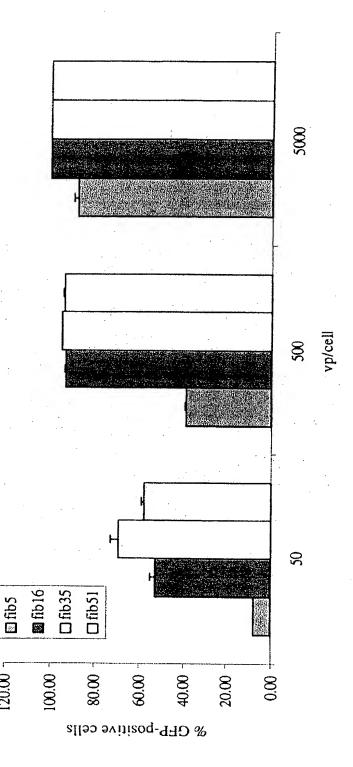
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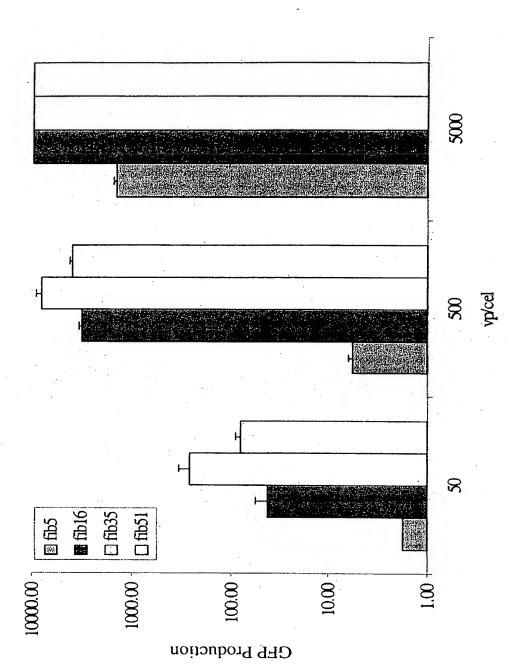


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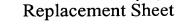


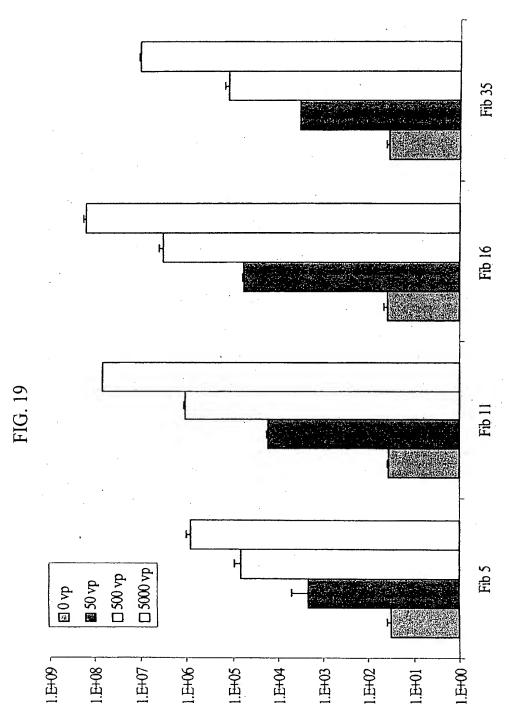
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